

SEARCH REQUEST FORM

11-44

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Date: 11/4/97 Phone: 305 4059 Art Unit: 1812

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Please search for interference

Seq ID No: 1 and 2

Thanks

Please rush

Approved

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STAFF USE ONLY

Date completed: 11/5/97
Searcher: Shepperson
Terminal time: _____
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Search Site

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Type of Search

_____ N-A-Sequence
_____ A-A-Sequence
_____ Structure

Vendors

_____ IG
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_____ Dialog
_____ APS
_____ SDC

AN - 90-321987/43
 XRAM- C90-139388
 TI - DNA encoding TNF binding protein and TNF- receptor - used in tumour treatment and to understand mechanisms to TNF action DC - B04 D16
 PA - (BOEH) BOEHRINGER INGELHEIM INT
 IN - HAUPTMANN R,HIMMLER A,MAURERFOGY I,STRATOWA C
 NP - 4
 PN - EP-393438-A 90.10.24 (9043)
 DE3913101-A 90.10.31 (9045)
 DE3920282-A 91.01.03 (9102)
 J03164179-A 91.07.16 (9134) {JP}
 LA - G
 DS - AT BE CH DE DK ES FR GB GR IT LI LU NL SE
 CT - (G)No-SR.Pub A3...9125 EP-308378 EP-162699 GB2218101 5.Jnl.Ref
 PR - 89.06.21 89DE 920282 89.04.21 89DE-913101
 AP - 90.04.06 90EP-106624 89.04.21 89DE-913101 89.06.21 89DE-920282
 90.04.20 90JP-105102
 IC - A61K-037/02 C07K-013/00 C12N-015/12 C12P-021/02 C12N-001/20 C12N-005/10
 C07H-021/04 C12P-019/34
 AB - (EP-393438)

DNA (I) coding for a tumour necrosis factor (TNF) receptor or fragment with a specified sequence in the figure is new. Also new are (1) DNA (II) encoding TNF binding proteins; (2) recombinant DNA molecules containing (I) or (II); (3) host organisms transformed with the recombinant mols.; and (4) polypeptides, (A1) and (A2), encoded by (I) or (II) respectively. (II) has a choice of 2 N-terminal sequences. Preferably the recombinant mols. are plasmids ADTNF-BP, pADTNF-R, pADBTNF-BP or pADBTNF-R. A1 has the sequence in the figure.

USE/ADVANTAGE - The peptides are useful in pharmaceutical compositions for prophylaxis or treatment of human tumours and to understand the mechanisms of TNF action.

In an example, COS 7 cells (10 power 6) in 80 mm petri dishes were transfected in RPM1-1640 medium with 10% heat inactivated foetal calf serum, at 37 deg.C., in 5% CO2 following centrifugation, the supernatant was discarded and replaced with serum free medium. A further centrifugation step followed by addition of 1 ml medium as well as 250 micro g/ml DEAE dextran and 10 micro g plasmid DNA. Incubation for 40 minutes at 37 deg.C., washing with 10% calf serum and suspension in 5 ml medium with 100 micro g/ml chloroquin was carried out. The cells were shown to secrete TNF-BP. (50pp Dwg.No.1/9)